

SEQUENCE LISTING

<110> Moore, Paul A.
 Rosen, Craig A.
 Ruben, Steven M.

<120> Cytokine Receptor Common Gamma Chain Like

<130> PF466

<140> Unassigned
 <141> 1999-03-05

<150> 60/086,505
 <151> 1998-05-22

<150> 60/078,563
 <151> 1998-03-19

<160> 30

<170> PatentIn Ver. 2.0

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 <212> DNA
 <213> Homo sapiens

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ctg ctg gga ggc tgg atg gct ttg ggg caa gga gga gca gca gaa gga 99
 Leu Leu Gly Trp Met Ala Leu Gly Gln Gly Gly Ala Ala Glu Gly
 15 20 25

gta cag att cag atc atc tac ttc aat tta gaa acc gtg cag gtg aca 147
 Val Gln Ile Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr
 30 35 40 45

tgg aat gcc agc aaa tac tcc agg acc aac ctg act ttc cac tac aga 195
 Trp Asn Ala Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg
 50 55 60

ttc aac ggt gat gag gcc tat gac cag tgc acc aac tac ctt ctc cag 243
 Phe Asn Gly Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln
 65 70 75

gaa ggt cac act tcg ggg tgc ctc cta gac gca gag cag cga gac gac 291
 Glu Gly His Thr Ser Gly Cys Leu Leu Asp Ala Glu Gln Arg Asp Asp
 80 85 90

att ctc tat ttc tcc atc agg aat ggg acg cac ccc gtt ttc acc gca 339
 Ile Leu Tyr Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala
 95 100 105

agt cgc tgg atg gtt tat tac ctg aaa ccc agt tcc ccg aag cac gtg 387
 Ser Arg Trp Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val
 110 115 120 125

aga ttt tgc tgg cat cag gat gca gtg acg gtg acg tgt tct gac ctg 435
 Arg Phe Ser Trp His Gln Asp Ala Val Thr Val Thr Cys Ser Asp Leu
 130 135 140

tcc tac ggg gat ctc ctc tat gag gtt cag tac cgg agc ccc ttc gac 483
 Ser Tyr Gly Asp Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp
 145 150 155

acc gag tgg cag tcc aaa cag gaa aat acc tgc aac gtc acc ata gaa 531
 Thr Glu Trp Gln Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu
 160 165 170

ggc ttg gat gcc gag aag tgt tac tct ttc tgg gtc agg gtg aag gct 579
 Gly Leu Asp Ala Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala
 175 180 185

atg gag gat gta tat ggg cca gac aca tac cca agc gac tgg tca gag 627
 Met Glu Asp Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu
 190 195 200 205

gtg aca tgc tgg cag aga ggc gag att cgg gat gcc tgt gca gag aca 675
 Val Thr Cys Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr
 210 215 220

cca acg cct ccc aaa cca aag ctg tcc aaa ttt att tta att tcc agc 723
 Pro Thr Pro Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser
 225 230 235

ctg gcc atc ctt ctg atg gtg tct ctc ctc ctt ctg tct tta tgg aaa 771
 Leu Ala Ile Leu Leu Met Val Ser Leu Leu Leu Ser Leu Trp Lys
 240 245 250

tta tgg aga gtg aag aag ttt ctc att ccc agc gtg cca gac ccg aaa 819
 Leu Trp Arg Val Lys Lys Phe Leu Ile Pro Ser Val Pro Asp Pro Lys
 255 260 265

tcc atc ttc ccc ggg ctc ttt gag ata cac caa ggg aac ttc cag gag 867
 Ser Ile Phe Pro Gly Leu Phe Glu Ile His Gln Gly Asn Phe Gln Glu
 270 275 280 285

tgg atc aca gac acc cag aac gtg gcc cac ctc cac aag atg gca ggt 915
 Trp Ile Thr Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly
 290 295 300

gca gag caa gaa agt ggc ccc gag gag ccc ctg gta gtc cag ttg gcc 963
 Ala Glu Gln Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala
 305 310 315

aag act gaa gcc gag tct ccc agg atg ctg gac cca cag acc gag gag 1011
 Lys Thr Glu Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu
 320 325 330

aaa gag gcc tct ggg gga tcc ctc cag ctt ccc cac cag ccc ctc caa 1059
 Lys Glu Ala Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln
 335 340 345

ggc ggt gat gtg gtc aca atc ggg ggc ttc acc ttt gtg atg aat gac 1107
 Gly Gly Asp Val Val Thr Ile Gly Gly Phe Thr Phe Val Met Asn Asp
 350 355 360 365

cgc tcc tac gtg gcg ttg tgatggacac accactgtca aagtcaacgt 1155
 Arg Ser Tyr Val Ala Leu
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caggatccac gttgacattt aaagacagag gggactgtcc cggggactcc acaccaccat 1215
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 <213> Homo sapiens

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 Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp Asn Ala
 35 40 45
 Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe Asn Gly
 50 55 60
 Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu Gly His
 65 70 75 80
 Thr Ser Gly Cys Leu Leu Asp Ala Glu Gln Arg Asp Asp Ile Leu Tyr
 85 90 95
 Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala Ser Arg Trp
 100 105 110
 Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val Arg Phe Ser
 115 120 125
 Trp His Gln Asp Ala Val Thr Val Thr Cys Ser Asp Leu Ser Tyr Gly
 130 135 140
 Asp Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp Thr Glu Trp
 145 150 155 160

Gln Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu Gly Leu Asp
 165 170 175
 Ala Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala Met Glu Asp
 180 185 190
 Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu Val Thr Cys
 195 200 205
 Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr Pro Thr Pro
 210 215 220
 Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser Leu Ala Ile
 225 230 235 240
 Leu Leu Met Val Ser Leu Leu Leu Leu Ser Leu Trp Lys Leu Trp Arg
 245 250 255
 Val Lys Lys Phe Leu Ile Pro Ser Val Pro Asp Pro Lys Ser Ile Phe
 260 265 270
 Pro Gly Leu Phe Glu Ile His Gln Gly Asn Phe Gln Glu Trp Ile Thr
 275 280 285
 Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly Ala Glu Gln
 290 295 300
 Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala Lys Thr Glu
 305 310 315 320
 Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu Lys Glu Ala
 325 330 335
 Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln Gly Gly Asp
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 Val Val Thr Ile Gly Gly Phe Thr Phe Val Met Asn Asp Arg Ser Tyr
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 Val Ala Leu
 370

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 <213> Homo sapiens

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 Thr Ser Thr Pro Ala Gly Thr Leu Asp Val Ser Thr Leu Pro Leu Pro
 35 40 45
 Lys Val Gln Cys Phe Val Phe Asn Val Glu Tyr Met Asn Cys Thr Trp
 50 55 60

Asn Ser Ser Ser Glu Pro Gln Pro Asn Asn Leu Thr Leu His Tyr Gly
 65 70 75 80
 Tyr Arg Asn Phe Asn Gly Asp Asp Lys Leu Gln Glu Cys Gly His Tyr
 85 90 95
 Leu Phe Ser Glu Gly Ile Thr Ser Gly Cys Trp Phe Gly Lys Lys Glu
 100 105 110
 Ile Arg Leu Tyr Glu Thr Phe Val Val Gln Leu Gln Asp Pro Arg Glu
 115 120 125
 His Arg Lys Gln Pro Lys Gln Met Leu Lys Leu Gln Asp Leu Val Ile
 130 135 140
 Pro Trp Ala Pro Glu Asn Leu Thr Leu Arg Asn Leu Ser Glu Phe Gln
 145 150 155 160
 Leu Glu Leu Ser Trp Ser Asn Arg Tyr Leu Asp His Cys Leu Glu His
 165 170 175
 Leu Val Gln Tyr Arg Ser Asp Arg Asp Arg Ser Trp Thr Glu Gln Ser
 180 185 190
 Val Asp His Arg His Ser Phe Ser Leu Pro Ser Val Asp Ala Gln Lys
 195 200 205
 Leu Tyr Thr Phe Arg Val Arg Ser Arg Tyr Asn Pro Leu Cys Gly Ser
 210 215 220
 Ala Gln His Trp Ser Asp Trp Ser Tyr Pro Ile His Trp Gly Ser Asn
 225 230 235 240
 Thr Ser Lys Glu Asn Ile Glu Asn Pro Glu Asn Pro Ser Leu Phe Ala
 245 250 255
 Leu Glu Ala Val Leu Ile Pro Leu Gly Ser Met Gly Leu Ile Val Ser
 260 265 270
 Leu Ile Cys Val Tyr Cys Trp Leu Glu Arg Thr Met Pro Arg Ile Pro
 275 280 285
 Thr Leu Lys Asn Leu Glu Asp Leu Val Thr Glu Tyr Gln Gly Asn Phe
 290 295 300
 Ser Ala Trp Ser Gly Val Ser Lys Gly Leu Ala Glu Ser Leu Gln Pro
 305 310 315 320
 Asp Tyr Ser Glu Arg Leu Cys His Val Ser Glu Ile Pro Pro Lys Gly
 325 330 335
 Gly Glu Gly Pro Gly Gly Ser Pro Cys Ser Gln His Ser Pro Tyr Trp
 340 345 350
 Ala Pro Pro Cys Tyr Thr Leu Lys Pro Glu Pro
 355 360

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 tctcccgga cctcgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
 aggagcagta caacagcacg tacctgtgtg tcagcgtcct caccgtcctg caccaggact 300
 ggctgaatgg caaggagtac aagtgaagg tctccaacaa agccctccca acccccatcg 360
 agaaaacat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
 ccacgcctcc cgtgctggac tccgacggct ccttcttct ctacagcaag ctcaccgtgg 600
 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
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 gactctagag gat 733

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<220>
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 <222> (3)
 <223> Xaa equals any amino acid

<400> 5
 Trp Ser Xaa Trp Ser
 1 5

<210> 6
 <211> 86
 <212> DNA
 <213> Homo sapiens

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 cccgaaatat ctgccatctc aattag 86

<210> 7
 <211> 27

<212> DNA
<213> Homo sapiens

<400> 7
gcggcaagct ttttgcaaag cctaggc

27

<210> 8
<211> 271
<212> DNA
<213> Homo sapiens

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aaatatctgc catctcaatt agtcagcaac catagtcccg ccctaactc cgcccatccc 120
gccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t

271

<210> 9
<211> 32
<212> DNA
<213> Homo sapiens

<400> 9
gcgctcgagg gatgacagcg atagaacccc gg

32

<210> 10
<211> 31
<212> DNA
<213> Homo sapiens

<400> 10
gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 11
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<212> DNA
<213> Homo sapiens

<400> 11
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12

<210> 12
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<212> DNA
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ccatctcaat tag

73

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 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
 cttttgcaaa aagctt
 256

<210> 14
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 14
 gttaggccat gggaggagca gcagaagga
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<210> 15
 <211> 33
 <212> DNA
 <213> Homo sapiens

<400> 15
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<210> 16
 <211> 38
 <212> DNA
 <213> Homo sapiens

<400> 16
 ccggttagat ctgccatcat ggctttgggg caaggagg
 38

<210> 17
 <211> 36
 <212> DNA
 <213> Homo sapiens

<400> 17
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 36

<210> 18
 <211> 7
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<220>
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 <222> (1)
 <223> Xaa equals Ser, Thr, Gly or Leu

<220>
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 <222> (2)
 <223> Xaa equals any amino acid

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 <222> (4)
 <223> Xaa equals Ser or Gly

<220>
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 <222> (5)
 <223> Xaa equals any amino acid

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 Xaa Xaa Trp Xaa Xaa Trp Ser
 1 5

<210> 19
 <211> 7
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> Xaa equals any amino acid

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any amino acid

<400> 19
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 1 5

<210> 20
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 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> Xaa equals Pro or Glu

<220>
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 <222> (3)
 <223> Xaa equals any amino acid

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals Val or Ile

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals Asn, Ser or Asp

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 Trp Xaa Xaa Xaa Pro Xaa Pro
 1 5

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 <211> 7
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<220>
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 <222> (3)
 <223> Xaa equals any amino acid

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 Ile Pro Xaa Val Pro Asp Pro
 1 5

<210> 22
 <211> 54
 <212> PRT
 <213> Homo sapiens

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 Gln Ile Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp
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Asn Ala Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe
 20 25 30

Asn Gly Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu
 35 40 45

Gly His Thr Ser Gly Cys
 50

<210> 23
 <211> 30
 <212> PRT
 <213> Homo sapiens

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 Arg Arg His Ser Leu Phe Leu His Gln Glu Trp Asp Ala Pro Arg Phe
 1 5 10 15

His Arg Lys Ser Leu Asp Gly Leu Leu Pro Glu Thr Gln Phe
 20 25 30

<210> 24
 <211> 81
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 <213> Homo sapiens

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 20 25 30
 Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala Met Glu Asp Val
 35 40 45
 Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu Val Thr Cys Trp
 50 55 60
 Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr Pro Thr Pro Pro
 65 70 75 80

Lys

<210> 25
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 <222> (68)
 <223> Xaa equals any amino acid

<220>
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 <222> (73)
 <223> Xaa equals any amino acid

<220>
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 <222> (88)
 <223> Xaa equals any amino acid

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 Pro Thr Pro Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser
 35 40 45
 Leu Ala Ile Leu Leu Met Val Ser Leu Leu Leu Leu Ser Leu Trp Lys
 50 55 60

Leu Trp Arg Xaa Lys Lys Phe Leu Xaa Pro Ser Val Pro Asp Pro Lys
65 70 75 80

Ser Ile Phe Pro Gly Leu Phe Xaa Ile His Gln Gly Asn Phe Gln Glu
85 90 95

Trp Ile Thr Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly
100 105 110

Ala Glu Gln Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala
115 120 125

Lys Thr Glu Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu
130 135 140

Lys Glu Ala Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln
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<210> 26

<211> 1567

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (830)

<223> n equals a, t, g or c

<220>

<221> misc_feature

<222> (416)

<223> y equals c or t

<220>

<221> misc_feature

<222> (784)

<223> m equals a or c

<220>

<221> misc_feature

<222> (785)

<223> y equals c or t

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ggcttttgggg caaggaggag cagcagaagg agtacagatt caratcatct acttcaattt 120

agaaaccgtg caggtgacat ggaatgccag caaatactcc aggaccaacc tgactttcca 180

ctacagattc aacggtgatg aggcctatga ccagtgcacc aactaccttc tccaggaagg 240

tcacacttcg gggtgcctcc tagacgcasa gcagcgagac gacattctct atttctccat 300

caggaatggg acgcaccccg ttttcaccgc aagtcgctgg atggtttatt acctgaaacc 360
 cagttccccc aagcacgtga gatttcgtgg catcaggaaw gacggtgacg tgttcycgac 420
 ctgtcctacg gggatctcct ctatgagggt cagtaccgga gcccttcga caccgagtgg 480
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 gccgagtctc ccaggatgct ggaccacag accgaggaga aagaggcctc tgggggatcc 1020
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 aggttgatg gcagatggga gccaatgct ccaggagatt tactccaggt tccttttcgt 1380
 gctgaacgtt gtcacataaa cccaaggca gcacgtcaa aatgctgtaa aaccatcttc 1440
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<210> 27
 <211> 170
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (89)
 <223> Xaa equals any amino acid

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any amino acid

<220>
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 <222> (138)
 <223> Xaa equals any amino acid

<400> 27

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Gly	Trp	Met	Ala	Leu	Gly	Gln	Gly	Gly	Ala	Ala	Glu	Gly	Val	Gln	Ile
			20					25					30		
Gln	Ile	Ile	Tyr	Phe	Asn	Leu	Glu	Thr	Val	Gln	Val	Thr	Trp	Asn	Ala
	35						40					45			
Ser	Lys	Tyr	Ser	Arg	Thr	Asn	Leu	Thr	Phe	His	Tyr	Arg	Phe	Asn	Gly
	50					55					60				
Asp	Glu	Ala	Tyr	Asp	Gln	Cys	Thr	Asn	Tyr	Leu	Leu	Gln	Glu	Gly	His
65					70				75					80	
Thr	Ser	Gly	Cys	Leu	Leu	Asp	Ala	Xaa	Gln	Arg	Asp	Asp	Ile	Leu	Tyr
			85						90					95	
Phe	Ser	Ile	Arg	Asn	Gly	Thr	His	Pro	Val	Phe	Thr	Ala	Ser	Arg	Trp
			100					105						110	
Met	Val	Tyr	Tyr	Leu	Lys	Pro	Ser	Ser	Pro	Lys	His	Val	Arg	Phe	Arg
	115					120						125			
Gly	Ile	Arg	Xaa	Asp	Gly	Asp	Val	Phe	Xaa	Thr	Cys	Pro	Thr	Gly	Ile
	130					135					140				
Ser	Ser	Met	Arg	Phe	Ser	Thr	Gly	Ala	Pro	Ser	Thr	Pro	Ser	Gly	Ser
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<210> 28
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 <212> DNA
 <213> Homo sapiens

<400> 28
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<210> 29
 <211> 31
 <212> DNA
 <213> Homo sapiens

<400> 29
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31

<210> 30

<211> 4
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<220>
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<222> (2)
<223> Xaa equals any amino acid

<400> 30
Trp Xaa Trp Ser
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Trp Xaa Trp Ser
1